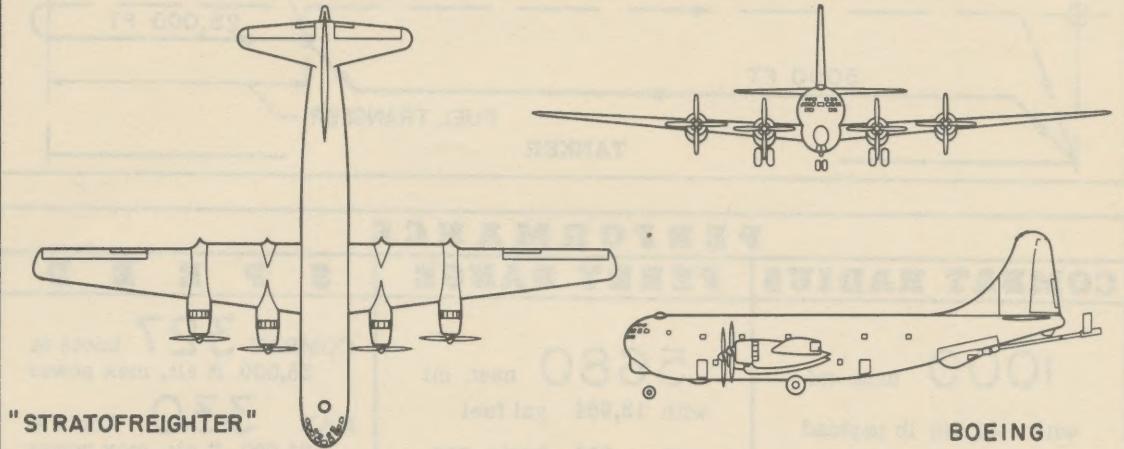


Characteristics Summary

TANKER

KC-97F



Wing Area	1768.7 sq ft	Length	117.4 ft
Span	141.2 ft	Height	38.3 ft
		Height (Fin folded)	26.6 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

1. Same as the KC-97E except for installation of R-4360-59B engines and other minor changes.
2. Mock-Up: Aug 51
3. First Flight: Feb 52
4. First Acceptance: Mar 52
5. Production Completed: May 53

Navy Equivalent: None

Mfr's Model: 367-76-29

POWER PLANT

(4) R-4360-59B

Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT-MIN

T.O: *3500 - 2700 - 500 - 5
*3500 - 2800 - 500 - 5Mil: *3500-2700- 500 -30
3250-2700-1000 -30

Nor: 2650-2550-5500 -Cont

*Wet

Note: Increased altitude performance is available through use of external turbo super-charging

FEATURES

May be converted to a cargo transport by removing the AFR equipment and installing conversion kit.

Fuselage Pressurization

AFR Boom System

Single-Point Refueling

Large Dia AFR Tanks (4)

Rendezvous Radar

Reverse Pitch Props

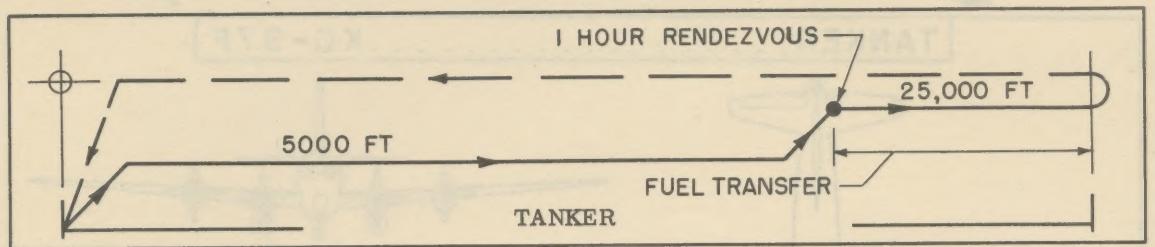
Folding Fin & Rudder

GENERAL

Crew (normal) 6

Trans. Fuel (gal) . . . 8410

Max Fuel Cap: . . 14,990 gal
(Incl. AFR fuel)

Characteristics Summary Basic Mission · · · · KC-97F


PERFORMANCE

COMBAT RADIUS	FERRY RANGE	SPEED
1000 naut. mi with 42,440 lb payload at 221 knots avg. in 10.0 hours.	5680 naut. mi with 13,964 gal fuel at 208 knots avg. in 27.3 hours at 175,000 lb T.O. wt.	COMBAT 327 knots at 25,000 ft alt, max power MAX 330 knots at 26,000 ft alt, max power BASIC 282 knots at 5000 ft alt, max power
CLIMB	CEILING	TAKE-OFF
575 fpm sea level, take-off weight normal power	22,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft no assist — ft assisted
2380 fpm sea level, combat weight maximum power	30,000+ ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Transfer Fuel: 42,440 lb	Empty..... 84,218 lb	108 knots power-off, landing configuration, take-off weight
Fuel: protected 0 % droppable 0 % external 0 %	Combat... 104,400 lb Take - off 175,000 lb limited by strength	TIME TO CLIMB —

NOTES

1. Performance Basis:
 - (a) Flight test
 - (b) Max power same as normal power above 7800 ft.
2. Revision Basis: Data recoordinated this date.